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What is claimed is:

1. A method of manufacturing a water soluble composition adapted for subsequent solubilizing and application to agricultural crops, comprising the steps of:

mixing a divalent/metal salt, citric acid and sodium citrate to obtain a mixture having a moisture content of from approximately 10% to 1.25% by weight; and

processing the mixture in a drying environment to obtain a product which is partially chelated and has a moisture content less than that of the mixture prior to processing.

- 2. The method of claim 1 wherein the drying environment has a temperature of from approximately 120°F to approximately 150°F.
- 3. The method of claim 1 wherein the drying environment has a temperature of from approximately 120°F to approximately 150°F and wherein the mixture processing step includes the step of:

maintaining the mixture in the drying environment for from approximately 50 seconds to approximately 70 seconds.

- 4. The method of claim 3 wherein the moisture content of the product is approximately 5% to approximately 0.25% by weight of the product.
- 5. The method of claim 1 wherein the moisture content of the product is approximately 1.25% to approximately 0.5% by weight of the product.
- 6. The method of claim 1 wherein the product has an average particle size and the method further comprises the steps of:

grinding the product to reduce the average particle size of the product;

placing the ground product in a container; and hermetically sealing the container.

- 7. The method of claim 1 wherein the divalent metal of the divalent metal salt is selected from the group consisting of iron, copper, zinc and manganese.
- 8. The method of claim 7 wherein the drying environment has a temperature of from approximately 120°F to approximately 150°F.

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- 9. The method of claim 7 wherein the mixture has a total moisture content of from approximately 1.5% to 1.25% by weight of the mixture and the partially chelated product has a total moisture content by weight of from approximately 0.5% to approximately 1.25% of the product.
- 10. The method of claim 9 wherein the product has an average particle size and the method further comprises the steps of:

grinding the product to reduce the average particle size of the product;

placing the ground product in a container; and hermetically sealing the container.

11. The method of claim 10 wherein method further includes the step of:

maintaining the mixture in the drying environment for from approximately 50 seconds to approximately 70 seconds.

- 12. The method of claim 7 wherein the moisture content of the product is from approximately 1.25% to approximately 0.5% by weight of the product.
- 13. The method of claim 1 wherein the drying environment has a temperature of from approximately 120°F to approximately 150°F and wherein the mixture processing step includes the step of:

processing the mixture in a continuous flow, fluidized bed drying for from approximately 50 seconds to approximately 70 seconds.

- 14. The method of claim 1 further comprising the step of: reacting the product with an aqueous solution to further chelate the product.
- 15. The method of claim 14 wherein the aqueous solution contains a fertilizer material which is not a chelated product
- 16. A water soluble composition adapted for subsequent solubilizing and application to agricultural crops, comprising a partially chelated mixture of a divalent metal salt, citric acid and sodium citrate, wherein the partially chelated mixture has a moisture content of at most 1.25% by weight of the mixture.
 - 17. The composition according to claim 16, wherein the divalent





metal of the divalent metal salt is selected from the group consisting of iron, copper, zinc and manganese.

- The composition according to claim 16, wherein the partially chelated mixture has a moisture content of at most 0.5% by weight of the mixture.
- 19. The composition according to claim 18, wherein the divalent metal of the divalent metal salt is selected from the group consisting of iron, copper, zinc and manganese.
- 1 + 20. The partially chelated product produced in accordance with the process of claim 1, wherein the divalent metal is selected from the group consisting of iron, copper, zinc and manganese.
- The partially chelated product of claim 20, wherein the partially chelated product has a moisture content of from 0.5% to 1.25%.
- The partially chelated product of claim 20, wherein the mixture has a moisture content of from 1.25% to 5% by weight of the mixture.

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